

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	6397	(piezoelectric or electromechanical or electro adj1 mechanical) and hing\$3	USPAT
2	BRS	L3	122	(piezoelectric or electromechanical or electro adj1 mechanical) and hing\$3 and link\$3 and (drive or driving) adj1 (element or member)	USPAT
3	BRS	L2	2312	(piezoelectric or electromechanical or electro adj1 mechanical) and hing\$3 and link\$3	USPAT
4	BRS	L4	91	(piezoelectric or electromechanical or electro adj1 mechanical) and hing\$3 and link\$3 and (drive or driving) adj1 (element or member)	US- PGPUB; USOCR; EPO; JPO; DERWEN T; IBM_TD B

RESULT LIST

Approximately 100 results found in the Worldwide database for:

electromechanical or piezoelectric in the title AND **hinge or hinged or hinges** in the title or abstract

(Results are sorted by date of upload in database)

- 1 Electromechanical hinged wing drive**
 Inventor: HOMBERG JURGEN (DE) Applicant: DORMA GMBH & CO KG (DE)
 EC: E05F3/10B; E05F3/22D; (+1) IPC: E05F15/12; E05F3/10
 Publication info: **SK8442003** - 2005-06-02
- 2 Stype piezoelectric mechanism for amplifying micro displacement**
 Inventor: LUO YING (CN); ZHU JIANGUO (CN) Applicant: JIANGSU UNIV (CN)
 EC: IPC: H01L41/09; G12B1/00
 Publication info: **CN1481033** - 2004-03-10
- 3 PIEZOELECTRIC ACTUATOR FOR MOVING FOLDED-BACK ARMS**
 Inventor: BUGEL JOHN ANTHONY (US); MOLER JEFF (US) Applicant: VIKING TECHNOLOGIES L C (US)
 EC: IPC: H01L41/09
 Publication info: **CA2479847** - 2003-10-09
- 4 HINGE POSITION LOCATION THAT CAUSES PENDULOUS AXIS TO BE SUBSTANTIALLY PARALLEL WITH DRIVE COMPONENT DIRECTION OF AN ELECTROMECHANICAL SYSTEM**
 Inventor: STEWART ROBERT E (US) Applicant: NORTHROP GRUMMAN CORP (US); STEWART ROBERT E (US)
 EC: IPC: G01C19/56
 Publication info: **WO2004094951** - 2004-11-04
- 5 ACTUATING UNIT FOR AN ELECTROMECHANICAL DISC BRAKE**
 Inventor: HALASY-WIMMER GEORG (DE); LINHOFF PAUL (DE); (+7) Applicant: CONTINENTAL TEVES AG & CO OHG (DE); HALASY-WIMMER GEORG (DE); (+8)
 EC: IPC: F16D
 Publication info: **WO2004048792** - 2004-06-10
- 6 Piezoelectric actuator and information storage device**
 Inventor: KURIHARA KAZUAKI (JP); HIDA MASAHARU (JP); (+1) Applicant: FUJITSU LTD (US)
 EC: G11B5/48A2; G11B5/55D2; (+1) IPC: G11B5/56
 Publication info: **US2004120081** - 2004-06-24
- 7 DUAL STAGE SUSPENSION WITH PZT (PIEZOELECTRIC TRANSDUCER) ACTUATOR**
 Inventor: DUFT WALTER W; SHUM VICTOR WING CHUN Applicant: HITACHI GLOBAL STORAGE TECH
 EC: G11B5/48A2E; G11B5/55D2 IPC: G11B21/21; G11B5/596; (+1)
 Publication info: **JP2004134067** - 2004-04-30
- 8 Hinged-type piezoelectric loudspeaker**
 Inventor: TOPLISS RICHARD (GB) Applicant: 1 LTD (GB)
 EC: H04R17/00 IPC: H04R17/00
 Publication info: **GB2393602** - 2004-03-31
- 9 Piezoelectric force motion scanner**
 Inventor: XU YING (US) Applicant: NPOINT INC (US)
 EC: G01N3/56 IPC: G01N3/56; G01M7/04
 Publication info: **US6715336** - 2004-04-06
- 10 Multi-dimensional micro-electromechanical assemblies and method of making same**
 Inventor: BRIGHT VICTOR (US); HARSH KEVIN (US); Applicant:



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Query :

((Piezoelectric <or> electromechanical

Query: ((Piezoelectric <or> electromechanical <or> electro <near>
mechanical) <and> (hinge <or> hinged <or> hinges) <and> linkage <and>
(drive <or> driver) <near> (element <or> member))

1 documents out of 1635897 matched your query. Click on its number
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Note: All document detail pages now appear on a new Browser
Window.

1. [2230191](#) ELECTRIC TOOTHBRUSH 77%

Last Modified: 2002-12-31



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Searching PCT (Full Text)...[Search Summary]**Results of searching in PCT (Full Text) for:**

(piezoelectric or electromechanical or "electro mechanical") and (hinge or hinged or hinges) and (linkage) and (drive or driving) near (element or member): 0 records

Refine Search**((piezoelectric or electromechanical or "electro mecha**

No records matching your query found in PCT (Full Text)

Search Summary**piezoelectric NEAR element:** 13484 occurrences in 1878 records.**electromechanical NEAR element:** 459 occurrences in 181 records.

(piezoelectric NEAR element OR electromechanical NEAR element): 2030 records.

"electro mechanical" NEAR element: 0 occurrences in 0 records.

((piezoelectric NEAR element OR electromechanical NEAR element) OR "electro mechanical" NEAR element): 2030 records.

hinge NEAR element: 2551 occurrences in 670 records.**hinged NEAR element:** 466 occurrences in 268 records.

(hinge NEAR element OR hinged NEAR element): 882 records.

hinges NEAR element: 83 occurrences in 57 records.

((hinge NEAR element OR hinged NEAR element) OR hinges NEAR element): 907 records.

(((piezoelectric NEAR element OR electromechanical NEAR element) OR "electro mechanical" NEAR element) AND ((hinge NEAR element OR hinged NEAR element) OR hinges NEAR element)): 10 records.

linkage NEAR element: 976 occurrences in 266 records.

((((piezoelectric NEAR element OR electromechanical NEAR element) OR "electro mechanical" NEAR element) AND ((hinge NEAR element OR hinged NEAR element) OR hinges NEAR element)) AND linkage NEAR element): 0 records.

drive NEAR element: 9404 occurrences in 2274 records.**driving NEAR element:** 4716 occurrences in 1359 records.

(drive NEAR element OR driving NEAR element): 3270 records.

((((((piezoelectric NEAR element OR electromechanical NEAR element) OR "electro mechanical" NEAR element) AND ((hinge NEAR element OR hinged NEAR element) OR hinges NEAR element)) AND linkage NEAR element) AND (drive NEAR element OR driving NEAR element)): 0 records.

piezoelectric NEAR member: 1093 occurrences in 251 records.**electromechanical NEAR member:** 139 occurrences in 58 records.

(piezoelectric NEAR member OR electromechanical NEAR member): 307 records.

"electro mechanical" NEAR member: 0 occurrences in 0 records.

((piezoelectric NEAR member OR electromechanical NEAR member) OR "electro mechanical" NEAR member): 307 records.

hinge NEAR member: 8742 occurrences in 1445 records.

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[AND](#)**AND**[AND](#)**AND**[AND](#)**AND****Date of publication of application — e.g. 19980401 - 19980405** - **AND****IPC — e.g. D01B7/04 A01C11/02**

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